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(54) **AUTONOMOUS VEHICLE EMERGENCY ROUTE GUIDANCE**

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(57) **ABSTRACT**

A system for route guidance, the system comprising a driving controller, wherein the driving controller is configured to receive sensor output from at least one sensor, wherein, based on the received sensor output, the driving controller determines, for a common time interval, a first set of route actions and a second set of route actions; and a vehicle motion controller configured to receive, from the driving controller, the first set of route actions and the second set of route actions, and wherein, during the common time interval, the first set of route actions are executed when the vehicle is in a first state and the second set of route actions are executed when the vehicle is in a different second state.

**20 Claims, 8 Drawing Sheets**

